

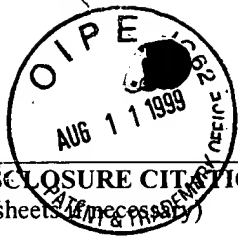
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Atty. Docket No.
7024-394

Serial No.
09/297,895

Applicant Eva Sevick-Muraca et al.

Filing Date
May 7, 1999

Group

U.S. PATENT DOCUMENTS

*Examiner Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	Filing Date If appropriate
Rm	4,245,909*	1/20/81	Loos	356/336		
Rm	4,641,969*	2/10/87	Lundberg et al.	356/343		
Rm	4,781,460*	11/1/88	Bott	356/336		
Rm	4,871,251*	10/3/89	Preikschat et al.	356/336		
Rm	4,890,920*	1/2/90	Niziolek et al.	356/336		
Rm	5,164,787*	11/17/92	Igushi et al.	356/336		
Rm	5,229,839*	7/20/93	Hayashi et al.	356/336		
Rm	5,416,580*	5/16/95	Trainer	356/336		
Rm	5,438,408*	8/1/95	Weichert et al.	356/336		
Rm	5,455,675*	10/3/95	Witt et al.	356/336		
Rm	5,502,561*	3/26/96	Hutchins et al.	356/336		
Rm	5,818,583	10/6/98	Sevick-Muraca et al.	356/336		
Rm	5,865,754	2/2/99	Sevick-Muraca et al.	600/476		

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

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Eve Sevick-Muraca et al.

FILING DATE

May 7, 1999

GROUP

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- PR Huabei Jiang, Keith D. Paulsen, Ulf L. Osterberg, Brian W. Pogue and Michael S. Patterson, Optical Image Reconstruction Using Frequency-Domain Data: Simulations and Experiments, Journal of the Optical Society of America, Sept. 1995, at 253. *
- Rn Alwin Kienle, Lothar Lilge, Michael S. Patterson, Raimund Hibst, Rudolf Steiner, and Brian C. Wilson, Spatially Resolved Absolute Diffuse Reflectance Measurements for Noninvasive Determination of the Optical Scattering and Absorption Coefficients of Biological Tissue, Applied Optics, May 1996, Vol. 35, No. 13 at 2304. *
- PR Pi-Huan Wang, Geoffrey S. Kent, M. Patrick McCormick, Larry W. Thomason, and Glenn K. Yue, Retrieval Analysis of Aerosol-Size Distribution with Simulated Extinction Measurements at SAGE III Wavelengths, Applied Optics, Jan. 1996, Vol. 35, No. 3, at 433. *
- Rn Kuziel S. Shifrin and Ilja G. Zolotov, Spectral Attenuation and Aerosol Particle Size Distribution, Applied Optics, Apr. 1996, Vol. 35, No. 12, at 2114. *
- Rn Jianhong Wang and F. Ross Hallett, Spherical Particle Size Determination by Analytical Inversion of the UV-Visible-NIR Extinction Spectrum, Applied Optics, Jan. 1996, Vol. 35, No.1, at 193. *
- Rn Sergei A. Vinogradov, Leu-Wei Lo, William T. Jenkins, Sydney M. Evans, Cameron Koch, and David F. Wilson, Noninvasive Imaging of the Distribution in Oxygen in Tissue in Vivo Using Near-Infrared Phosphors, Biophysical Journal, Apr. 1996, Vol. 70, at 1609-1617. *
- Rn Joshua B. Fishkin, Peter T.C. So, Albert E. Cerussi, Sergio Fantini, Maria Angela Franceschini, and Enrico Gratton, Frequency-Domain Method for Measuring Spectral Properties in Multiple-Scattering Media: Methemoglobin Absorption Spectrum in a Tissue-like Phantom, Applied Optics, Mar. 1995, Vol. 34, No. 7, at 1143. *
- Rn Heimo Schnablegger and Otto Glatter, Sizing of Colloidal Particles with Light Scattering: Corrections for Beginning Multiple Scattering, Applied Optics, Jun. 1995, Vol. 34, No. 18, at 3489. *
- Rn Robert J. Farrell and Yen-Cheng Tsai, Nonlinear Controller for Batch Crystallization: Development and Experimental Demonstration, AIChE Journal, Oct. 1995, Vol. 41, No. 10, at 2318. *
- LL M.A. O'Leary, D.A. Boas, B. Chance, and A.G. Yodh, Experimental Images of Heterogeneous Turbid Media by Frequency-Domain Diffusing-Photon Tomography, Optics Letters, Mar. 1995, Vol. 20, No. 5, at 426. *

RECEIVED

EXAMINER

PA Rosenberg

DATE CONSIDERED

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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ATTY. DOCKET
7024-394

SERIAL NO.
09/297,895

APPLICANT
Seva Sevick-Muraca et al.

FILING DATE
May 7, 1999

GROUP

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Jozef Vavra, Jozef Antalík and Marek Liska, Application of Regression Analysis in Spectroturbidity Size-Characterization Methods, Part. Part. Syst. Charact. 12, 1995, 38-41. *

Richard C. Haskell, Lars O. Svaasand, Tsong-Tseh Tsay, Ti-Chen Feng, Matthew S. McAdams and Bruce J. Tromberg, Boundary Conditions for the Diffusion Equation in Radiative Transfer, Journal of the Optical Society of America, Oct. 1994. Vol. 11, No. 10, at 2727. *

Nai-ning Wang, Gang Zheng, and Xiao-shu Cai, A Theoretical and Experimental Study of the Total Light Scattering Technique for Particle Size Analysis, Part. Part. Syst. Charact. 11, Feb. 1994, at 309-314. *

John Dimitratos, Guillermo Elicabe, and Christos Georgakis, Control of Emulsion Polymerization Reactors, AIChE Journal, Dec. 1994, Vol. 40, No. 12, at 1993. *

Ronald G. Sparks and Charles L. Dobbs, The Use of Laser Backscatter Instrumentation for the On-Line Measurement of the Particle Size Distribution of Emulsions, Part. Part. Syst. Charact. 10, Jul. 1993, at 279-289. *

James R. Rawlings, Stephen M. Miller, and Walter R. Witkowski, Model Identification and Control of Solution Crystallization Processes: A Review, Ind. Eng. Chem. Res., 1993, Vol. 32, No. 7, at 1276. *

D. Jeffrey Lischer and Michel Y. Louge, Optical Fiber Measurements of Particle Concentration in Dense Suspensions: Calibration and Simulation, Applied Optics, Aug. 1992, Vol. 31, No. 24, at 5106. *

R. Graaff, J.G. Aarnoudse, Jr. Zijp, P.M.A. Slood, F.F.M. Mul, J. Greve, and M.H. Koelink, Reduced Light-Scattering Properties for Mixtures of Spherical Particles: A Simple Approximation Derived from Mie Calculations, Applied Optics, Apr. 1992, Vol. 31, No. 10, at 1370. *

L. H. Garcia-Rubio, Refractive Index Effects on the Absorption Spectra of Macromolecules, Macromolecules, 1992, at 2608. *

Guillermo E. Elicabe and Luis H. Garcia-Rubio, Latex Particle Size Distribution from Turbidimetric Measurements, Polymer Characterization, 1990, at 84. *

J. Jager, H.J.M. Kramer, E.J. De Jong, On-Line Particle Size Measurement in Dense Slurries, Powder Technology, 1990. at 155-162. *

Seth Fraden and Georg Maret, Multiple Light Scattering from Concentrated, Interacting Suspensions, Physical Review Letters, Jul. 1990, Vol. 65, No. 4, at 512. *

RECEIVED

EXAMINER

RAT Passenberger

DATE CONSIDERED

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. TECHNICAL CENTER CITATION
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ATTY. DOCKET
7024-394

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09/297,895

APPLICANT
Eva Sevvick-Muraca et al.

FILING DATE
May 7, 1999

GROUP

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

John C. Thomas and Victoria Dimenna, Fiber Optic Dynamic Light Scattering from Concentrated Dispersion. 3: Particle Sizing in Concentrates, Applied Optics, Dec. 1990, Vol. 29, No. 36, at 5332. *

Joseph Pierce, Dilip Paithankar, Christina Hutchinson, David Taylor and Eva Seavick-Muraca, Particle Size Measurement in Suspensions through Frequency-Domain Photon Migration Measurements, Presentation to Fine Particle Society Meeting of August 25, 1995. *

Michael S. Patterson, Steen J. Madsen, J. David Moulton and
Brian C. Wilson, Diffusion Equation Representation of Photon Migration in Tissue
(date unknown). *

Akira Ishimaru, Robert J. Marks, II, Leung Tsang, Chi M. Lam.
and Dong C. Park, Optical Sensing of Particle Size Distribution by Neural
Network Technique (date unknown). *

Eva M. Sevick-Muraca and Kavi Sharma, Measurements of Photon Migration for Particle Sizing in Optically Dense Suspensions, AIChE Journal, Nov. 1994. *

Dilip Paithankar, Jeff Kao, and Eva Sevick-Muraca, Particle Size Distribution Estimation via Solution of the Inverse Problem of Multi-Wavelength Scattering Coefficient Measurements, Chem. Eng. Prog., August 1995. *

Patterson, M.S., J.D. Moulton, B.C. Wilson, and B. Chance,
Applications of time-resolved Light Scattering Measurements using Phase
Modulation Spectroscopy, Proc. SPIE, Int. Soc., Opt. Eng., 1203, 62 (1991). *

Eva M. Sevick-Muraca and Dilip Paithankar, <u>Process Monitoring: Photon Migration Measurements in Particulate Systems</u> , Fine Particle Society Meeting, August, 1995. *

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.